SUBJECT INDEX

Adaptive systems
Parallel Eigenvalue Algorithms for Large-Scale Control-Optimization Problems, A. Saleh and H. Adeli, AS July 96, p70-79.

Aerospace engineering
Editorial, Manohar P. Kamat, AS July 96, p63.

ASCE Publications
Editorial, Manohar P. Kamat, AS July 96, p63.

Automation
Modeling and Control of Excavator Dynamics during Digging Operation, A. J. Koivo, M. Thoma, E. Kocaoglan and J. Andrade-Cetto, AS Jan. 96, p10-18.

Axial forces
Finite-Displacement Analysis of Laminated Composite Strips with Extension-Twist Coupling, Erian A. Armanios, Andrew Makeev and David Hooke, AS July 96, p80-91.

Bearing capacity
Mechanical and Load-Settlement Characteristics of Two Lunar Soil Simulants, Steven W. Perkins and Craig R. Madson, AS Jan. 96, p1-9.

Bending
Bending Instability of Composite Tubes, Long-yuan Li, AS Apr. 96, p58-61.

Boundaries
Vibration of Laminated Shallow Shells on Quadrangular Boundary, A. V. Singh and V. Kumar, AS Apr. 96, p52-57.

Buildings
Wind-Tunnel Studies of Buildings and Structures, ASCE Aerospace Division Task Committee on Wind Tunnel Studies of Buildings and Structures, AS Jan. 96, p19-36.

Cargo
Dynamic Influence of Flexible Payloads on Space Shuttle RMS, Walter L. Peart, AS Apr. 96, p39-44.

Codes
Wind-Tunnel Studies of Buildings and Structures, ASCE Aerospace Division Task Committee on Wind Tunnel Studies of Buildings and Structures, AS Jan. 96, p19-36.

Compliance
Dynamic Response of Compliant Offshore Structures, R. Adrezin, P. Bar-Avi and H. Benaroya, AS Oct. 96, p114-131.

Composite materials
Inelastic Thermal Response of Gr/Cu with Nonuniform Fiber Distribution, Brett A. Bednarcyk and Marek-Jerzy Pindera, AS Oct. 96, p93-105.

Composite structures
Bending Instability of Composite Tubes, Long-yuan Li, AS Apr. 96, p58-61.

Delamination Modes in Composite Plates, H. Luo and S. Hanagud, AS Oct. 96, p106-113.

Finite-Displacement Analysis of Laminated Composite Strips with Extension-Twist Coupling, Erian A. Armanios, Andrew Makeev and David Hooke, AS July 96, p80-91.

Constitutive models
Inelastic Thermal Response of Gr/Cu with Nonuniform Fiber Distribution, Brett A. Bednarcyk and Marek-Jerzy Pindera, AS Oct. 96, p93-105.

Constraints
Equations of Motion for Mechanical Systems, Firdaus E. Udwadia and Robert E. Kalaba, AS July 96, p64-69.

Control systems
Modeling and Control of Excavator Dynamics during Digging Operation, A. J. Koivo, M. Thoma, E. Kocaoglan and J. Andrade-Cetto, AS Jan. 96, p10-18.

Copper
Inelastic Thermal Response of Gr/Cu with Nonuniform Fiber Distribution, Brett A. Bednarcyk and Marek-Jerzy Pindera, AS Oct. 96, p93-105.

Curvature
Finite-Displacement Analysis of Laminated Composite Strips with Extension-Twist Coupling, Erian A. Armanios, Andrew Makeev and David Hooke, AS July 96, p80-91.

Cylindrical shells
Bending Instability of Composite Tubes, Long-yuan Li, AS Apr. 96, p58-61.

Vibration of Laminated Shallow Shells on Quadrangular Boundary, A. V. Singh and V. Kumar, AS Apr. 96, p52-57.

Delaminating
Delamination Modes in Composite Plates, H. Luo and S. Hanagud, AS Oct. 96, p106-113.

Design
Design of Large Space Systems for Packaging and Launch on Multiple, Heterogeneous Vehicles, Steven D. Jolly, AS Apr. 96, p45-51.

Displacement
Finite-Displacement Analysis of Laminated Composite Strips with Extension-Twist Coupling, Erian A. Armanios, Andrew Makeev and David Hooke, AS July 96, p80-91.

Dynamic models
Modeling and Control of Excavator Dynamics during Digging Operation, A. J. Koivo, M. Thoma, E. Kocaoglan and J. Andrade-Cetto, AS Jan. 96, p10-18.

Dynamic response
Dynamic Influence of Flexible Payloads on Space Shuttle RMS, Walter L. Peart, AS Apr. 96, p39-44.

Dynamic Response of Compliant Offshore Structures, R. Adrezin, P. Bar-Avi and H. Benaroya, AS Oct. 96, p114-131.

Dynamic stability
Bending Instability of Composite Tubes, Long-yuan Li, AS Apr. 96, p58-61.

Dynamics
Equations of Motion for Mechanical Systems, Firdaus E. Udwadia and Robert E. Kalaba, AS July 96, p64-69.

Eigenvalues
Parallel Eigenvalue Algorithms for Large-Scale Control-Optimization Problems, A. Saleh and H. Adeli, AS July 96, p70-79.

Environmental factors
Dynamic Response of Compliant Offshore Structures, R. Adrezin, P. Bar-Avi and H. Benaroya, AS Oct. 96, p114-131.

Equations of motion
Equations of Motion for Mechanical Systems, Firdaus E. Udwadia and Robert E. Kalaba, AS July 96, p64-69.

Excavation
Modeling and Control of Excavator Dynamics during Digging Operation, A. J. Koivo, M. Thoma, E. Kocaoglan and J. Andrade-Cetto, AS Jan. 96, p10-18.

Expert systems
Design of Large Space Systems for Packaging and Launch on Multiple, Heterogeneous Vehicles, Steven D. Jolly, AS Apr. 96, p45-51.

Finite elements
Finite-Displacement Analysis of Laminated Composite Strips with Extension-Twist Coupling, Erian A. Armanios, Andrew Makeev and David Hooke, AS July 96, p80-91.

Graphite fibers
Inelastic Thermal Response of Gr/Cu with Nonuniform Fiber Distribution, Brett A. Bednarcyk and Marek-Jerzy Pindera, AS Oct. 96, p93-105.

Laminates
Finite-Displacement Analysis of Laminated Composite Strips with Extension-Twist Coupling, Erian A. Armanios, Andrew Makeev and David Hooke, AS July 96, p80-91.

Laminating
Vibration of Laminated Shallow Shells on Quadrangular Boundary, A. V. Singh and V. Kumar, AS Apr. 96, p52-57.

Launching
Design of Large Space Systems for Packaging and Launch on Multiple, Heterogeneous Vehicles, Steven D. Jolly, AS Apr. 96, p45-51.

Materials, properties
Mechanical and Load-Settlement Characteristics of Two Lunar Soil Simulants, Steven W. Perkins and Craig R. Madson, AS Jan. 96, p1-9.

Mechanical properties
Mechanical and Load-Settlement Characteristics of Two Lunar Soil Simulants, Steven W. Perkins and Craig R. Madson, AS Jan. 96, p1-9.

Mechanics
Equations of Motion for Mechanical Systems, Firdaus E. Udwadia and Robert E. Kalaba, AS July 96, p64-69.

Modal analysis
Delamination Modes in Composite Plates, H. Luo and S. Hanagud, AS Oct. 96, p106-113.

Modeling
Dynamic Response of Compliant Offshore Structures, R. Adrezin, P. Bar-Avi and H. Benaroya, AS Oct. 96, p114-131.

Models
Modeling and Control of Excavator Dynamics during Digging Operation, A. J. Koivo, M. Thoma, E. Kocaoglan and J. Andrade-Cetto, AS Jan. 96, p10-18.

Moon
Mechanical and Load-Settlement Characteristics of Two Lunar Soil Simulants, Steven W. Perkins and Craig R. Madson, AS Jan. 96, p1-9.

Offshore structures
Dynamic Response of Compliant Offshore Structures, R. Adrezin, P. Bar-Avi and H. Benaroya, AS Oct. 96, p114-131.

Optimization
Parallel Eigenvalue Algorithms for Large-Scale Control-Optimization Problems, A. Saleh and H. Adeli, AS July 96, p70-79.

Parallel processing
Parallel Eigenvalue Algorithms for Large-Scale Control-Optimization Problems, A. Saleh and H. Adeli, AS July 96, p70-79.

Plates
Delamination Modes in Composite Plates, H. Luo and S. Hanagud, AS Oct. 96, p106-113.

Professional practice
Editorial, Manohar P. Kamat, AS July 96, p63.

Research
Editorial, Manohar P. Kamat, AS July 96, p63.

Robotics
Dynamic Influence of Flexible Payloads on Space Shuttle RMS, Walter L. Peart, AS Apr. 96, p39-44.

Settlement analysis
Mechanical and Load-Settlement Characteristics of Two Lunar Soil Simulants, Steven W. Perkins and Craig R. Madson, AS Jan. 96, p1-9.

Shells
Vibration of Laminated Shallow Shells on Quadrangular Boundary, A. V. Singh and V. Kumar, AS Apr. 96, p52-57.

Simulation
Mechanical and Load-Settlement Characteristics of Two Lunar Soil Simulants, Steven W. Perkins and Craig R. Madson, AS Jan. 96, p1-9.

Soil properties
Mechanical and Load-Settlement Characteristics of Two Lunar Soil Simulants, Steven W. Perkins and Craig R. Madson, AS Jan. 96, p1-9.

Soils
Mechanical and Load-Settlement Characteristics of Two Lunar Soil Simulants, Steven W. Perkins and Craig R. Madson, AS Jan. 96, p1-9.

Space exploration
Dynamic Influence of Flexible Payloads on Space Shuttle RMS, Walter L. Peart, AS Apr. 96, p39-44.

Editorial, Manohar P. Kamat, AS July 96, p63.

Space shuttle orbiter
Dynamic Influence of Flexible Payloads on Space Shuttle RMS, Walter L. Peart, AS Apr. 96, p39-44.

Space structures
Design of Large Space Systems for Packaging and Launch on Multiple, Heterogeneous Vehicles, Steven D. Jolly, AS Apr. 96, p45-51.

Spacecraft
Design of Large Space Systems for Packaging and Launch on Multiple, Heterogeneous Vehicles, Steven D. Jolly, AS Apr. 96, p45-51.

Standards
Wind-Tunnel Studies of Buildings and Structures, ASCE Aerospace Division Task Committee on Wind Tunnel Studies of Buildings and Structures, AS Jan. 96, p19-36.

State-of-the-art reviews
Dynamic Response of Compliant Offshore Structures, R. Adrezin, P. Bar-Avi and H. Benaroya, AS Oct. 96, p114-131.

Structural control
Parallel Eigenvalue Algorithms for Large-Scale Control-Optimization Problems, A. Saleh and H. Adeli, AS July 96, p70-79.

Structural design
Wind-Tunnel Studies of Buildings and Structures, ASCE Aerospace Division Task Committee on Wind Tunnel Studies of Buildings and Structures, AS Jan. 96, p19-36.

Tubes
Bending Instability of Composite Tubes, Long-yuan Li, AS Apr. 96, p58-61.

Vibration
Vibration of Laminated Shallow Shells on Quadrangular Boundary, A. V. Singh and V. Kumar, AS Apr. 96, p52-57.

Viscoplasticity
Inelastic Thermal Response of Gr/Cu with Nonuniform Fiber Distribution, Brett A. Bednarcyk and Marek-Jerzy Pindera, AS Oct. 96, p93-105.

Wind loads
Wind-Tunnel Studies of Buildings and Structures, ASCE Aerospace Division Task Committee on Wind Tunnel Studies of Buildings and Structures, AS Jan. 96, p19-36.

Wind tunnel models
Wind-Tunnel Studies of Buildings and Structures, ASCE Aerospace Division Task Committee on Wind Tunnel Studies of Buildings and Structures, AS Jan. 96, p19-36.

AUTHOR INDEX

Adeli, H.
see Saleh, A., AS July 96, p70-79

Adrezin, R.
Dynamic Response of Compliant Offshore Structures, with P. Bar-Avi and H. Benaroya, AS Oct. 96, p114-131

Andrade-Cetto, J.
see Koivo, A. J., AS Jan. 96, p10-18

Armanios, Erian A.
Finite-Displacement Analysis of Laminated Composite Strips with Extension-Twist Coupling, with Andrew Makeev and David Hooke, AS July 96, p80-91

ASCE Aerospace Division Task Committee on Wind Tunnel Studies of Buildings and Structures
Wind-Tunnel Studies of Buildings and Structures, AS Jan. 96, p19-36

Bar-Avi, P.
see Adrezin, R., AS Oct. 96, p114-131

Bednarcyk, Brett A.
Inelastic Thermal Response of Gr/Cu with Nonuniform Fiber Distribution, with Marek-Jerzy Pindera, AS Oct. 96, p93-105

Benaroya, H.
see Adrezin, R., AS Oct. 96, p114-131

Hanagud, S.
see Luo, H., AS Oct. 96, p106-113

Hooke, David
see Armanios, Erian A., AS July 96, p80-91

Jolly, Steven D.
Design of Large Space Systems for Packaging and Launch on Multiple, Heterogeneous Vehicles, AS Apr. 96, p45-51

Kalaba, Robert E.
see Udwadia, Firdaus E., AS July 96, p64-69

Kamat, Manohar P.
Editorial, AS July 96, p63

Kocaoglan, E.
see Koivo, A. J., AS Jan. 96, p10-18

Koivo, A. J.
Modeling and Control of Excavator Dynamics during Digging Operation, with M. Thoma, E. Kocaoglan and J. Andrade-Cetto, AS Jan. 96, p10-18

Kumar, V.
see Singh, A. V., AS Apr. 96, p52-57

Li, Long-yuan
Bending Instability of Composite Tubes, AS Apr. 96, p58-61

Luo, H.
Delamination Modes in Composite Plates, with S. Hanagud, AS Oct. 96, p106-113

Madson, Craig R.
see Perkins, Steven W., AS Jan. 96, p1-9

Makeev, Andrew
see Armanios, Erian A., AS July 96, p80-91

Peart, Walter L.
Dynamic Influence of Flexible Payloads on Space Shuttle RMS, AS Apr. 96, p39-44

Perkins, Steven W.
Mechanical and Load-Settlement Characteristics of Two Lunar Soil Simulants, with Craig R. Madson, AS Jan. 96, p1-9

Pindera, Marek-Jerzy
see Bednarcyk, Brett A., AS Oct. 96, p93-105

Saleh, A.
Parallel Eigenvalue Algorithms for Large-Scale Control-Optimization Problems, with H. Adeli, AS July 96, p70-79

Singh, A. V.
Vibration of Laminated Shallow Shells on Quadrangular Boundary, with V. Kumar, AS Apr. 96, p52-57

Thoma, M.
see Koivo, A. J., AS Jan. 96, p10-18

Udwadia, Firdaus E.
Equations of Motion for Mechanical Systems, with Robert E. Kalaba, AS July 96, p64-69